

Appl. No.: 10/786,407
Reply to Final Office Action of: May 25, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the present application:

Listing of Claims:

1. (currently amended) A relay comprising:

a coil bobbin;

a yoke; and

a core penetrating the coil bobbin and connected to the yoke ~~at a transition region; the~~
core having a pair of cross-sectional enlargements located along end faces thereof, each having a
first cross-sectional area; the core having a central region located between the cross-sectional
enlargements and surrounded by the coil bobbin ~~with a~~ the central region having a second
cross-sectional area, the first cross-sectional area ~~in the transition region~~ being greater than the
second cross-sectional area ~~in the central region of the core.~~

2. (cancelled)

3. (original) The relay according to claim 1, wherein the core is tapered in a region
surrounded by the coil bobbin.

4. (original) The relay according to claim 1, wherein the core is formed from at least two
core elements.

5. (currently amended) The relay according to claim 1, wherein the core is formed from
at least two core elements, at least one core element has a non-uniform cross-sectional area, and
the core element having a non-uniform cross-sectional area ~~[[is]]~~ sized to be insertable into the
coil bobbin.

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6. (previously presented) The relay according to claim 4, wherein the core elements are substantially free of undercuts.

7. (original) The relay according to claim 4, wherein the yoke is integral with one of the core elements.

8. (original) The relay according to claim 7, wherein the core element that is integral with the yoke is substantially uniform and rectangular in cross-section.

9. (original) The relay according to claim 8, wherein the core element that is integral with the yoke is insertable into the coil bobbin with the non-uniform core element present in the coil bobbin.

10. (original) The relay according to claim 1, wherein at least two core elements are provided, of which the cross-section widens toward the yoke.

11. (currently amended) The relay according to claim 1, wherein one of the end face faces of the core forms a pole face for the relay.

12. (original) The relay according to claim 11, wherein at least two core elements are provided, of which the cross-section widens toward the pole face.

13. (original) The relay according to claim 4, wherein at least one core element touches the yoke.

14. (original) The relay according to claim 1, wherein at least one cross-sectional enlargement engages with the coil bobbin.